

WHAT IS CLAIMED IS:

1. A therapeutic agent for treatment of mastitis in livestock comprising glycyrrhizin or pharmaceutically acceptable salts thereof as effective ingredients.

5        2. The therapeutic agent for treatment of mastitis in livestock according to Claim 1 for use during milk secretion periods.

3. A therapeutic method for treatment of mastitis in livestock comprising administering glycyrrhizin or  
10 pharmaceutically acceptable salts thereof to the mammae of the livestock.

4. The therapeutic method for treatment of mastitis in livestock according to Claim 3, wherein glycyrrhizin or pharmaceutically acceptable salts thereof is administered  
15 by direct injection.

5. The therapeutic method for treatment of mastitis in livestock according to Claim 3, wherein glycyrrhizin is directly administered to the mammae of the livestock during the milk secretion period.

20        6. The therapeutic agent for treatment of mastitis in livestock according to Claim 1, wherein the livestock includes cattle.

7. The therapeutic agent for treatment of mastitis in livestock according to Claim 2, wherein the livestock  
25 includes cattle.

8. The therapeutic method for treatment of mastitis in livestock according to Claim 3, wherein the livestock

includes cattle.

9. The therapeutic method for treatment of mastitis in livestock according to Claim 4, wherein the livestock includes (a) cattle.

5 10. The therapeutic method for treatment of mastitis in livestock according to Claim 5, wherein the livestock includes cattle.